

Serial No. 10/666,166  
67,008-079  
S-5696

**AMENDMENTS TO THE SPECIFICATION:**

Please replace the following numbered paragraphs with the following rewritten paragraphs:

[22] Preferably, the scale of the vorticity generating protuberances 32 will nominally be such that the small-scale vortices  $v$  produced are smaller than the primary tip vortex  $V$ . It should be understood that the details of size, shape, location, and number of the protuberances will vary depending on the details of the forming tip vortex they are intended to affect and the desired impact. Such vorticity generating protuberances 32 such as pins, vanes, reward and forward facing vortex plows, ramps, and or other such members are representative of protuberances 32 which will benefit from the present invention. In other words, the vorticity generating protuberances 32 are numerous quite small vortex generators that are of the scale of the boundary layer thickness which create turbulence (micro-scale vortices) which are ingested into the forming core of the conventional single vortex as it develops on the blade tip as illustrated in Figure 4. The small scale turbulence, when ingested into the core, will maintain the primary tip vortex as a single vortex as also illustrated in Figure 4 such that the core decay rate will be accelerated by this ingested turbulence and hence result in the more rapid downstream diffusion of the tip vortex.